

### **REMARKS**

The Office Action dated March 21, 2007 has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

Claims 1, 2, 4, 8-13, 15, 22, 23, 25, and 29-34 have been amended to more particularly point out and distinctly claim the subject matter of the invention. New claims 43 and 44 have been added. No new matter has been added. Therefore, claims 1-44 are currently pending in the application and are respectfully submitted for consideration.

The Office Action objected to figures 1, 2, and 5 because they do not include a legend designating them as prior art. Figures 1, 2, and 5 have been amended to include a legend designating them as prior art. Accordingly, Applicants submit that the objection to figures 1, 2, and 5 has been rendered moot.

Figure 6 was objected to because of a misspelling therein. Specifically, the Office Action points out that block 614 was inadvertently labeled as "Froming Clipped Signal" rather than "Forming Clipped Signal." Figure 6 has been amended to correct this typographical error. Thus, Applicants submit that this objection is rendered moot.

The Office Action also objected to the abstract of the disclosure because it includes a reference to figure 7. The abstract has been amended to remove "(Figure 7)" therefrom. As such, Applicants submit that this objection is also rendered moot.

Claims 9, 22-23, and 30 were objected to due to some minor informalities. Specifically, the Office Action noted that claims 22-23 include reference numerals which should be removed. With respect to claims 9 and 30, the Office Action stated that the recitation of “(peak-to-average ratio, crest factor)” is unnecessary and should be removed. Applicants have amended claims 9, 22-23 and 30 as suggested by the Office Action. Therefore, Applicants submit that this objection is rendered moot.

The Office Action rejected claims 1-42 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter of the invention. In particular, the Office Action identified several antecedent basis issues in claims 1, 2, 10-13, 15, 22, 23, 31-33, and 34 (Office Action, pages 4-6). The claims have been amended to correct the issues identified in the Office Action.

Additionally, the Office Action asserted that the recitation of “by calculating the input of vectors,” as recited in claims 4 and 25, is unclear. Applicants have amended this portion of claims 4 and 25 to recite “an input for vectors.” In addition, Applicants submit that paragraphs 0024-0028 of the present specification explain the use of vectors in the invention and help clarify the meaning of this limitation. Accordingly, Applicants submit that this rejection is rendered moot.

The Office Action indicated that all of the claims would be allowable if rewritten to overcome the rejections under 35 U.S.C. §112. Applicants respectfully submit that the various amendments discussed above address all of the issues raised in the Office Action and serve to overcome the rejections under 35 U.S.C. §112. Therefore, Applicants

submit that the application is now in condition for allowance. As such, Applicants respectfully request that a timely Notice of Allowance be issued in this case.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicants respectfully petition for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,



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Enclosures: Additional Claim Fee  
Replacement Sheets